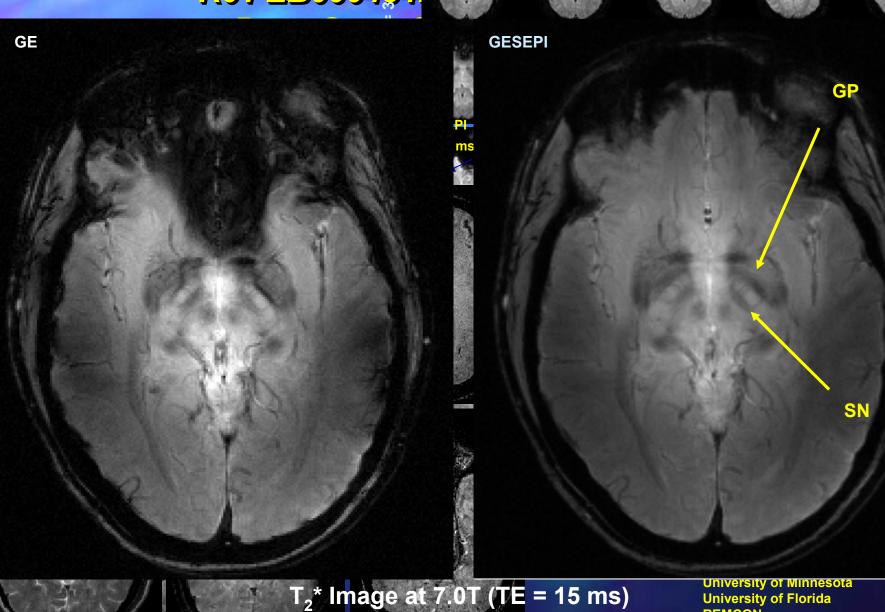
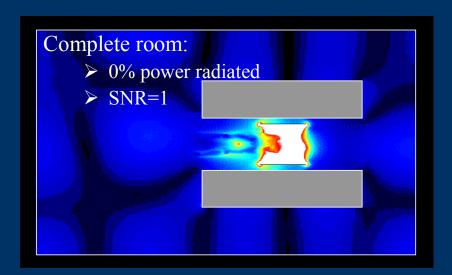
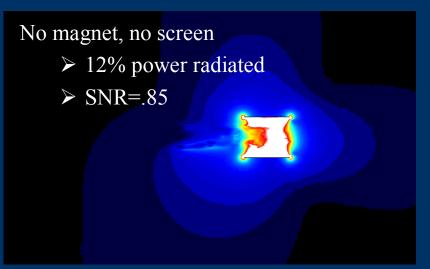
High Field MRI: Li. RO1 EB000454



University of Minnesota University of Florida REMCON

High Field MRI: Limitations and Solutions Radio Frequency Field Distortion





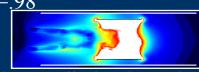
Magnet only, no screen

> 0.5% power radiated
> SNR=.98

Inner bore, close PEC boundary

> 0% power radiated

> SNR=.98



Inner bore, close radiation boundary

> 0.66% power radiated

➤ SNR=.97



(Less than 0.002% power dissipated in coil, bore and screen)